IN THE CLAIMS:

No amendments are currently being made. For convenience, the following is a listing of all current claims.

1. (Previously Presented) A medical device for implantation in a body comprising:

a structure;

a set of first coated pellets, each of said first coated pellets containing at least one first therapeutic composition, the set of first coated pellets deposited on the structure at a first site for controlled delivery of the at least one first therapeutic composition to a desired location within the body; and

a set of second coated pellets, each of said second coated pellets containing at least one second therapeutic composition, the set of second coated pellets deposited on the structure at a second site for controlled delivery of the at least one second therapeutic composition to a desired location within the body;

wherein each of said first coated pellets is covered with a first coating and each of said second coated pellets is covered with a second coating;

wherein the first coating is thinner than the second coating and has a faster in vivo decomposition rate relative to the second coating to release the first therapeutic composition from the first site faster than the second therapeutic composition from the second site; and

wherein each of said first coated pellets contains a substance in addition to the first therapeutic composition such that each of the first coated pellets is substantially the same size as each of said second coated pellets.

2.-3. Canceled.

4. (Previously Presented) The medical device of claim 1, further comprising an adhesive interposed between the first coated pellets and the structure.

5. (Original) The medical device of claim 4, wherein the adhesive layer is one of a polymer, a wax layer, a biodegradable layer or a combination thereof.

6.-8. Canceled.

9. (Previously Presented) The medical device of claim 1, wherein one of the first coating or the second coating is one of a polymer, a biodegradable material or a combination thereof.

10. (Original) The medical device of claim 1, wherein the medical device is a stent.

11. (Previously Presented) The medical device of claim 1, wherein one of the first coating or the second coating further comprises a plurality of sublayers.

12. (Previously Presented) A medical device for implantation in a body comprising:

a bio-compatible structure;

a plurality of first coated pellets, wherein each of said first coated pellets comprises a first active substance encapsulated by a first coating; and

a plurality of second coated pellets, wherein each of said second coated pellets comprises a second active substance encapsulated by a second coating thicker than the first coating;

wherein each of said first coated pellets contains a substance in addition to the first active substance and each of said first coated pellets is substantially the same size as each of said second coated pellets.

13. (Previously Presented) The medical device of claim 12, wherein the first coated pellets have a faster decomposition rate that the second coated pellets.

14. (Previously Presented) The medical device of claim 12, further comprising a bio-compatible adhesive interposed between the plurality of first and second coated pellets and the structure.

15. (Previously Presented) The medical device of claim 13, wherein the second coating on the second coated pellets is thicker than the first coating on the first coated pellets.

16. (Previously Presented) The medical device of claim 13, wherein the first coating on the first coated pellets has a different composition than the second coating on the second coated pellets.

17. (Previously Presented) A method for providing a controlled-release of a therapeutic agent from a medical device comprising:

providing a bio-compatible structure;

depositing a set of first pellets comprising a therapeutic composition and a protective layer on the structure at a first location; and

depositing a set of second pellets comprising a therapeutic composition and a protective layer on the structure at a second location;

wherein the therapeutic composition and protective layer at the first location and the second location are selected so that the therapeutic composition from the first location is released faster than the therapeutic composition from the second location;

wherein the protective layer at the first location has a different thickness than the protective layer at the second location; and

wherein said first pellets contain a substance in addition to the therapeutic composition and each of said first and second pellets is substantially the same size.

18. Canceled.

19. (Previously Presented) The method of claim 17, further comprising the step of depositing an adhesive layer on the structure prior to the steps of depositing the coated pellets.

20. (Original) The method of claim 19, further comprising the step of curing the adhesive.

21. (Original) The method of claim 19, further comprising reacting the adhesive layer with therapeutic composition in situ to form a mixture.

22. Canceled.

23. (Original) The method of claim 17, wherein the protective layer at the first location has a different composition than the protective layer at the second location.

24. (Previously Presented) The medical device of claim 1, wherein the first therapeutic composition is the same as the second therapeutic composition.

25. (Previously Presented) The medical device of claim 1, wherein the first therapeutic composition is different from the second therapeutic composition.

26. (Previously Presented) The medical device of claim 12, wherein the first active substance is the same as the second active substance.

27. (Previously Presented) The medical device of claim 12, wherein the first active substance is different from the second active substance.